Literature Review - Relevant Studies, Research and Case Studies to Inform Survey and Stakeholder/Property Owner Interviews

Title	Source	Description	Behaviors addressed/Purpose of Initiative	Barriers relevant to Armoring Behaviors	Motivations (or stated desired incentives) relevant to Armoring Project Behaviors	Key Insights	Notes
Sound Behavior Index - 2012 Survey Report	Puget Sound Partnership (PRR)	Random sample phone survey, 3,621 respondents	Demographics of Sound residents more likely to score high or low on SBI (behaviors related to Puget Sound health - yard and garden care, pesticide use, pet waste, boating, etc.)	/a	n/a	Established, well-to-do, white families with children may encounter greater opportunities to perform imperfectly as regards to Sound Behavior. More likely to have lawns, horses, boats, dogs, and engage in boating or other activities that produce behaviors adverse to water quality. Less resourced families were measured as performing relatively better than families with a wider range of opportunities.	
Social Capital Index - 2012 Survey Report	Puget Sound Partnership (PRR)	Random sample phone survey, 3,621 respondents	Demographics of Sound residents more likely to score high or low on SCI (behaviors related to measures of community connectedness - social networks and other community connections)	s/a	n/a	On Page 20 (Table 2), certain deomographic characteristics by county were related to higher SCI scores	
General Public Opinion Survey	Puget Sound Partnership (PRR)	Random sample phone survey, 2,003 respondents	Measured PS residents attitudes and knowledge about health and condition of PS. Also measured knowledge of PS waters and endangered species, valued natural resources and activities, and place attachment/identification w/ NW Washington	Perception that Puget Sound health is not urgent	Preserving natural scenery and beauty Desire to help clean up Puget Sound Identification with the land/water as part of personal identity	Overall, most think health and condition of PS waters is good or excellent (and expect it to remain about the same over the next 5 years) Most think the need to clean up and protect waters in/around PS is urgent Most agree that one person's actions can make a difference in improving condition of PS/wildlife Most are aware of activities that are harmful to water quality Many value natural scenery - top reason people value natural resources in PS region is beauty Most feel attached to NW WA, feel it is a part of them - value walking or hiking, gardening, reading and outdoor activities in their free time Most see themselves as a person who does something to protect the environment Market Segments: Puget Sound Champions (50%), Ready & Willing to do their part: 55% female skew; 85% 18-54; least likely to have lived in PS more than 6 yrs; most likely (95%) to live less than 5 mi from water; voters; 81% liberal or moderate Non-Persuadables (11%), PS in good health, cleanup not urgent, it's going to get better, don't know what's harmful to WQ and don't do much to protect environment: 68% male, older, most likely to have lived in PS more than 6 yrs, most likely to live more than 5 mi from water; voters; conservative Persuadables (39%), PS in relatively good health, cleanup somewhat urgent, it's going to get better, know some things are harmful to WC and do some things to protect environment: 59% male skew, most likely 18-34 (38%); more likely lived in PS 6 or more yars (77%); more likely to live 5 or	
Yard Care & Pesticide Practices Survey: Barriers & Motivators, 11/13	Puget Sound Partnership (PRR)	Random sample phone survey, 2,000 respondents		Perception of not fitting in with reighbors/neighborhood	Concern for environment Safety of family members and pets/animals	less miles from water (93%); less likely voters; 35% conservative/41% moderate/24% liberal Many say they have knowledge about how to practice natural yard care, how to choose plants for site conditions, and how to control pests and diseases with pesticides, but few have knowledge about soil health or how to control pests and diseases without pesticides. The top two features that respondents look for in yard care products are environmental safety and effectiveness of the product. Many use compost and other natural soil amendments, as well as chemical or organic fertilizer. Most seek advice or information before purchasing or using yard care products. The majority of respondents are likely to look for the words danger/poison, warning or caution prior to purchasing a yard care product and the presence of these words on the label affects their decision to buy and how to apply the product. Many think that it is important to keep their lawn green and weed free. They think this is important because they want it to look good to themselves and their neighborhood, as well as to have a healthy lawn (prevent the weeds from taking over). Most respondents have concerns about using pesticides. They are mainly concerned about the environmental impacts, their pet's health or other animals health, water quality and their personal health and family's or other people's health. Broke respondents into market segments: Persuadables, Ready & Willings and Unwillings (detail in Exec Summary at link)	

Yard Care & Pesticide Use Focus	Puget Sound Partnership	Focus Groups (4)	Follow up to Barriers & Motivations survey, to	Wanting yard/lawn to look good is priority	concern for environment	Unattractive Motivators included: Yard Signs/Recognition (too much effort, bar set too high); wallet-sized cards/tools
Groups, 11/13	(PRR)		learn more about what barriers people perceive			
			to using safer yard care products and practices as	Lack of time	Safety of family members and pets/animals	Trusted sources of info include: Master gardeners, nurseries and the experts who work there, gardening media figures (such as Ciscoe Morris,
			well as what would motivate them to do			Marianne Binetti, Tim Hill), and family, friends and neighbors whose yards look good. Many were not confident in big box store sales associates or
			so.Targeted 'Persuadables' market segment	Lack of money	Avoidance of poison going to waterways/drinking	those who actually make the yard
					water	
				Perception that organic/natural methods are slow,		When presented with hypothetical "what if chemical products were banned in 3 months?" some said they would stockpile products but many
				expensive	Knowing alternatives are just as effective	others said they would be relieved that the pressure to have a perfect, green lawn would be gone "That would be great, because everybody will
						have a brown lawn."
				Not knowing about alternatives	Knowing where to find good information	
				Health/enviro effects not noticable to homeowner	Visual tools/scale to help gauge	
					effectiveness/safety	
					Financial incentives/discounts/deals	
					Knowing institutions/ gov'ts have taken action	
					Consumer/peer reviews to learn from	
					Dhana and w/info on quid-	
					Phone app w/ info an guidance	
					DOD information (nostors at a)	
					POP information (posters, etc.)	
Targeted Outreach to Reduce Impacts	Northwest Straits Foundation	Online survey of Island &	Assess perceived armoring-related needs and	Perceived barriers for employing 'best management		69% of respondents interface with the public by staffing the 'permit counter'
from Shore Armor in the Port Susan	(Tracie Johannessen,	Snohomish County planners	perceived barriers for marine shore landowners	practices for erosion control (in order of how often	Permitting breaks for softer shore techniques	
Marine Stewardship Area - Island and	EEOutcomes)			menioned):	Better information/education about:	Training: Planners reported various levels of training on topics related to armor permitting: Shoreline Management Regulations & Permitting
Snohomish County Planner Needs		Survey: 17 respondents		Lack of knowledge of alternatives	- shoreline permitting and regulations	Requirements (65% trained); coastal erosion causes and rates (35% trained); coastal processes/littoral drift (24% trained); coastal bluffs and
Assessment and Workshop Summary				Lack of understanding of current regs	- slope stability and role of vegetation and drainage	landslides (24% trained); no training (29%)
Report, 11/13				Lack of knowledge of impacts of shoreline hardening	- misperceptions about erosion/damage	
				Concern about property loss from erosion	- how hard armor often degrades the quality and	Familiarity with shoreline issues: Familiarity with characteristics of the Port Susan MSA shore relevant to permitting (47% somewhat, 18% very,
				Concern about esthetics/property value	accessibility of their beach	35% not at all); Familiar with impacts of hard shore armor (53% somewhat, 35% very, 12% not at all); Familiar with alternatives to hard shore armor
				Lack of professional resources		(53% somewhat, 35% very, 12% not at all)
				Permitting process/cost	Site visits and expert advice beyond what permit	
				Monetary concerns	office can provide with available resources	Common questions/comments from landowners:
						Can I harden the shoreline to proted my beach; house; bluff; yard; gazebo; drainfield; stairway, etc.?
				Barriers to removing existing structures:	Training workshops	Required setbacks and how to get around them
				Permitting process/cost		How close can I build?
				monetary concerns	FOR PLANNERS:	How long does this process take?
				Lack of professional resources	- Case studies/photos/examples	Why was my neighbor able to build there but I can't?
					- Training, ie. Shoreline Permitting 101	How much concrete can I dump, how close to the water can they dump it, when can they start dumping it? who are you to make me ask before I
				Barriers that limit planners' ability to enforce	- Training on shoreline code, implementation,	start dumping concrete?
				shoreline permitting regs:	enforcement	What requires a permit and what doesn't?
				Lack of understanding about regs by landowners Cost or time for permits discourages obtaining one	- Expert resources to go to with questions	Is this project approvable? Slope/stability, drainage, view enhancement
				Lack of enforcement/penalties for non-permitted		I don't wan't to risk damage to my own property in light of choices by my neighbors
				activities		a don't have to his damage to my own property in ight or choices by my neighbors
				Lack of understanding of regs by planners		Common compaints about permitting process:
	i e		1			· · · · · · · · · · · · · · · · · · ·
				Penalties not big enough to deter non-permitted		Processing time, regulations, cost, inconsistent application of regulations (also a complaint of planners); too complicated and restrictive, county
1				Penalties not big enough to deter non-permitted activities		Processing time, regulations, cost, inconsistent application of regulations (also a complaint of planners); too complicated and restrictive, county code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but"
				Penalties not big enough to deter non-permitted activities		Processing time, regulations, cost, inconsistent application of regulations (also a complaint of planners); too complicated and restrictive, county code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but"
Powell Shareling Posign Postaretics	ces	Cara study/rapast		activities	Improve habitat	code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but"
Powell Shoreline Design Restoration	CGS	Case study/report	Report of design process to restore Powel	activities Fear of flooding	Improve habitat	code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but" Powel family approached Bainbridge Island Land Trust to help restore shoreline on large family property (property has an easement). CGS was
Powell Shoreline Design Restoration Report	cgs	Case study/report	Report of design process to restore Powel	activities Fear of flooding Loss of views	Improve habitat	code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but"
			Report of design process to restore Powel property on Port Madison/Bainbridge Island	activities Fear of flooding Loss of views Protect existing structures		code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but" Powel family approached Bainbridge Island Land Trust to help restore shoreline on large family property (property has an easement). CGS was
Report			Report of design process to restore Powel property on Port Madison/Bainbridge Island	activities Fear of flooding Loss of views	Perceived incentives, in order of % who agree	code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but" Powel family approached Bainbridge Island Land Trust to help restore shoreline on large family property (property has an easement). CGS was design consultant to help lead the project
Report Green Shorelines for Lake Washington			Report of design process to restore Powel property on Port Madison/Bainbridge Island Perceived barriers and incentives related to practicing Green Shorelines Behaviors	activities Fear of flooding Loss of views Protect existing structures In order of % who agree (roughly):		code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but" Powel family approached Bainbridge Island Land Trust to help restore shoreline on large family property (property has an easement). CGS was design consultant to help lead the project Green Shorelines Behaviors described as: Reducing bank hardening, Restoring overhanging riparian vegetation, Replacing bulkheads and rip-rap
Report Green Shorelines for Lake Washington and Sammamish - coordination &			Report of design process to restore Powel property on Port Madison/Bainbridge Island Perceived barriers and incentives related to practicing Green Shorelines Behaviors	activities Fear of flooding Loss of views Protect existing structures In order of % who agree (roughly): Permitting process (80%)	Perceived incentives, in order of % who agree (roughly): Tax incentives (80%)	code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but" Powel family approached Bainbridge Island Land Trust to help restore shoreline on large family property (property has an easement). CGS was design consultant to help lead the project Green Shorelines Behaviors described as: Reducing bank hardening, Restoring overhanging riparian vegetation, Replacing bulkheads and rip-rap with sandy beaches with gentle slopes, and Using grated dock surfaces or community docks.
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Report Green Shorelines for Lake Washington and Sammamish - coordination &			Report of design process to restore Powel property on Port Madison/Bainbridge Island Perceived barriers and incentives related to practicing Green Shorelines Behaviors	activities Fear of flooding Loss of views Protect existing structures In order of % who agree (roughly): Permitting process (80%) Cost (70%) Ineffective erosion control (60%) Ineffective wake protection (60%) Ineffective wave protection (60%)	Perceived incentives, in order of % who agree (roughly): Tax incentives (80%) Matching funds (77%) Streamlined permitting (75%) Clear requirements (75%)	code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but" Powel family approached Bainbridge Island Land Trust to help restore shoreline on large family property (property has an easement). CGS was design consultant to help lead the project Green Shorelines Behaviors described as: Reducing bank hardening, Restoring overhanging riparian vegetation, Replacing bulkheads and rip-rap with sandy beaches with gentle slopes, and Using grated dock surfaces or community docks. Survey question - "Have you modified your shoreline in the last 10 years?" - 63% no, 27% yes, 10% considered.
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Report Green Shorelines for Lake Washington and Sammamish - coordination &			Report of design process to restore Powel property on Port Madison/Bainbridge Island Perceived barriers and incentives related to practicing Green Shorelines Behaviors	activities Fear of flooding Loss of views Protect existing structures In order of % who agree (roughly): Permitting process (80%) Cost (70%) Ineffective erosion control (60%) Ineffective wake protection (60%) Ineffective wave protection (60%) Time (55%) Maintenance cost (50%)	Perceived incentives, in order of % who agree (roughly): Tax incentives (80%) Matching funds (77%) Streamlined permitting (75%) Clear requirements (75%) Faster permitting (75%) Property value increase (60%)	code too ambiguous, cost of permit and required studies, that permits are required by all, permitting staff just says what won't work - "yes, but" Powel family approached Bainbridge Island Land Trust to help restore shoreline on large family property (property has an easement). CGS was design consultant to help lead the project Green Shorelines Behaviors described as: Reducing bank hardening, Restoring overhanging riparian vegetation, Replacing bulkheads and rip-rap with sandy beaches with gentle slopes, and Using grated dock surfaces or community docks. Survey question - "Have you modified your shoreline in the last 10 years?" - 63% no, 27% yes, 10% considered. 42% who attempted or considered modification did not consider natural stabilization alternatives. Public recognition was the incentive with the LEAST amount of 'strongly agree/agree' responses (~10%, with almost 30% strongly DISagreeing).

Ciallam County Shoreline Master Program (SMP) Update Summary of Focus Group Meetings, 1/11	Ciallam County	5 Focus groups (130 participants): East end shoreline property owners; met in Sequim; West end shoreline property owners; met in Sekiu; Central county shoreline property owners; met in Port Angeles; Water-related business owners; met in Por Angeles; Recreational shoreline users; met in Port Angeles	Hear what people in Clallam County think about shorelines and shoreline management, to help inform the design of the SMP update process.	Don't know the rules Perception that people who 'follow the rules' are punished, while those who don't are rewarded Cost of complying with shoreline regs is a burden (need consultants/experts, etc.)	Majority of people "want to do the right thing"	Property owners represented a variety of shoreline types including freshwater lakes, streams and marine areas. Participants at the focus group meetings were asked two general questions: - Do you think things are improving or going in the wrong direction in Clallam County in regard to protecting the shorelines, providing public access, and protecting the rights of the use of private property owners along rivers, creeks, lakes, and saltwater shorelines? - What would inspire you to participate in Clallam County's effort to protect the ecology of the shoreline, provide public access, support water dependent uses and protect private use of land? Strong feedback that new regulations was not needed/would be burdensome on property owners, but better enforcement of existing regs is preferred.	
Dept. of Ecology Green Shorelines Workshop, 2009	WA Dept. of Ecology	Survey of South Lk. Wash lakeshore property owners, 2007	Workshop presentation that includes results of landowner survey, also referenced in Green Shorelines workshop recap in line 10	Top two barriers: permitting process, costs Concerns about whether or not techniques are effective Maintenance Loss of property value	Top Motivators for Green Shorelines 86% eligible for 30-50% property tax break 65% compatible with having dock 63% protect property from erosion 58% likely to increase property value 58% easy water access 51% less expensive permitting	40% of respondents said that they would be "very willing" to use a Green Shoreline design when in need of a bulkhead repair or replacement	
Green Shorelines for Lakes Washington & Sammamish - Summary Report, May 2010		Summary report of all workshops referenced in line 10	Green Shorelines behaviors	Lack of education about green shorelines - what are they? Lack of understanding about what options are available for each different site/property Concern/fear of erosion Fear that if armor is removed, wont' be able to replace if erosion becomes a risk later on Cost	Workshop 3 (regulatory agency staff, non-regulatory agency staff, consultant, contractor, landowner): - Financial Incentives Tax breaks for property loss, installing green shorelines and conservation easements Grants from federal, state, and local governments and from foundations Permit exemptions to lower permit costs Technical assistance with design of projects, installation of projects and plantings, and permitting Permitting Process - Streamlined / consolidated /centralized permits, Multi-agency permit team for Lake Washington Education and outreach - Demo projects and case studies Workshop 4 (landowners): - Financial Incentives - Sales tax breaks for green shoreline projects - Property tax breaks such as the Public Benefit Rating System in King County - Permitting Process - Create consistent codes between jurisdictions - Create a shoreline restoration / mitigation bank - Education and Outreach - Provide more information on lake health, habitat, and fish		Revisit during messaging phase

Lake WA Shoreline Permitting Process Study			I a control of the co				1
Study	UW Graduate Students, 2008	In-person interviews were conducted with 15 permit	Assess perceptions and attitudes about shoreline permitting processes	Bottlenecks in the permitting process	Permit streamlines (among different agencies) for green shorelines projects	Interviewers used "Alternative shorelines" terminology in interviews and noted the term was ambiguous and did not resonate with respondents. "Eco-friendly shorelines" was less so but still not clear.	Revisit during messaging phase
		issuers (local, state, and		Lack of examples of "good" projects to refer to	green shorelines projects	Econifering shoremes was less so but still not clear.	messaging phase
		federal agencies) and 11			Shortcuts for green shorelines projects	20-33% of every agency group that a common mistake by landowners is having a blind trust in their contractors or consultants to take care of the	
		permit		Lack of information about the process		shoreline design and permitting.	
		applicants (private		1	Helping environment/fish		
		landowners, contractors,		Perceived lack of resources/assistance available to		Some interviewees at each level of agency believe that some contractors and consultants do not inform their clients of alternatives to replacing a	
		and consultants).		applicants	Aesthetic preference for green shoreline over	bulkhead because they do not know how to design or implement an eco-friendly shoreline.	
				Loss of property when replacing bulkhead w/ beach	traditional designs	Come of the contractors and contractors we intensioned stated that alternative charalines are not desired by homogeneous and that soft sharelines	
				Loss of property when replacing bulkhead w/ beach		Some of the contractors and contractors we interviewed stated that alternative shorelines are not desired by homeowners and that soft shorelines are not effective at controlling erosion and do not work on most sites.	
				Cost		are the effective at controlling enough and do not work on most stees.	
				1		There is a lack of consensus on whether or not shortcuts or streamlines exist in the permitting process for Green Shorelines designs as well as a lack	:
				Strong belief that green shorelines are worse than		of communication between stakeholder groups about the shortcuts or streamlines that do exist.	
				bulkheads in preventing erosion			
				1		Shoreline residents identified 'professionals' as their primary source of alternative shoreline design information	
				1		While a strong majority of the shoreline resident responses indicated that needing a permit is common knowledge, very few permit issuers and no	
i l				1		contractors agreed. The only point of consensus among all stakeholder groups as to how people knew they needed a permit was that contractors	
				1		are informers.	
				1			
				1		Perhaps the biggest impediment to increasing the amount of soft shoreline on Lake Washington is the loss of property entailed in replacing a	
				1		bulkhead with a beach.	
				1		33% of landowners said there were no benefits of alternative shorelines at all.	
				1		when asked specifically about aesthetics as a possible benefit of alternative designs,	
				1		75% of landowners thought they were better than the traditional designs.	
Summary of Shoreline Landowner	Northwest Straits Foundation	Workshop for 61 coastal	Give shoreline landowners greater familiarity with	n/a	n/a	Most common property concerns:	
Workshop and Evaluation, 10/12	Troi triwest straits i ouridation	landowners in the Port	coastal processes and critical habitats and a better	1	1,7 4	Rate of erosion of bluff: 19	
, ,		Susan Marine Stewardship	understanding of the spectrum of shoreline land	1		Rate of erosion of beach: 10	
		Area (conducted by CGS);	management practices, their impacts,	1		Health of Beach: 18	
		included classroom and	effectiveness, longevity and cost over time.	1		Integrity of protective structures: 10	
		beach walk		1		Drainage Issues: 11	
		24		1		Interest in better stewardship practices: 20	
		31 workshop evaluations		1			
		rocaived		1		The majority of evaluation reprocess indicated the most useful aspect of the workshop was in the area of shareling management. A smaller though	
		received				The majority of evaluation responses indicated the most useful aspect of the workshop was in the area of shoreline management. A smaller though	
		received				still significant number indicated they found the information on shore processes and the 'big picture' most useful. Additional responses were more	
		received					
		received				still significant number indicated they found the information on shore processes and the 'big picture' most useful. Additional responses were more general in nature describing the overall quality of the workshop. All responses were positive and 100% of respondents indicated they would use	
Exploration of Shoreline Property	WSU Mason County		The purpose of this research is to hetter	Perception that soft armoring is expensive and might	Being good stewards of the shore	still significant number indicated they found the information on shore processes and the 'big picture' most useful. Additional responses were more general in nature describing the overall quality of the workshop. All responses were positive and 100% of respondents indicated they would use the information from the workshop to inform management of their property.	
,	WSU Mason County Extension (Keller Consulting)	received Fifteen people participated in one focus group and nine	The purpose of this research is to better understand shoreline homeowner knowledge,	Perception that soft armoring is expensive and might not work	Being good stewards of the shore	still significant number indicated they found the information on shore processes and the 'big picture' most useful. Additional responses were more general in nature describing the overall quality of the workshop. All responses were positive and 100% of respondents indicated they would use the information from the workshop to inform management of their property. Values as they relate to living on shorelines – Participants:	Revisit during
Exploration of Shoreline Property Owner Knowledge and Awareness of Shoreline Management and Habitat	· · · · · · · · · · · · · · · · · · ·	Fifteen people participated	understand shoreline homeowner knowledge,		Being good stewards of the shore Receiving messages that are "specific, factual, and	still significant number indicated they found the information on shore processes and the 'big picture' most useful. Additional responses were more general in nature describing the overall quality of the workshop. All responses were positive and 100% of respondents indicated they would use the information from the workshop to inform management of their property.	
Owner Knowledge and Awareness of	· · · · · · · · · · · · · · · · · · ·	Fifteen people participated in one focus group and nine	understand shoreline homeowner knowledge, values, and concerns around water quality and	not work		still significant number indicated they found the information on shore processes and the 'big picture' most useful. Additional responses were more general in nature describing the overall quality of the workshop. All responses were positive and 100% of respondents indicated they would use the information from the workshop to inform management of their property. Values as they relate to living on shorelines – Participants: - Have a strong emotional attachment to the waters where they live. They use phrases like	Revisit during
Owner Knowledge and Awareness of Shoreline Management and Habitat	· · · · · · · · · · · · · · · · · · ·	Fifteen people participated in one focus group and nine	understand shoreline homeowner knowledge, values, and concerns around water quality and shoreline habitat issues.	not work Not willing to "live with" erosion that they believe devalues their property Lack of 'proof' that changing practices will make a	Receiving messages that are "specific, factual, and	still significant number indicated they found the information on shore processes and the 'big picture' most useful. Additional responses were more general in nature describing the overall quality of the workshop. All responses were positive and 100% of respondents indicated they would use the information from the workshop to inform management of their property. Values as they relate to living on shorelines – Participants: - Have a strong emotional attachment to the waters where they live. They use phrases like "love," "Shangri-la," and "Good Lord how did I get here?" when describing how they feel about where they live - Believe that Mason County waters, with a few exceptions, are cleaner than other parts of	Revisit during
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San Juan Initiative: Protecting our Place	San Juan Initiative - various	Report of Initiative efforts:	Assess current ecosystem protection programs	The manner in which our laws are dministered is	Value and connection to place	San Juan County residents want to protect the shoreline, but they need improved access to information. They need to know what is important to	Revisit during
for Nature and People, 2008	partners, including PSP	'	and recommend improvements. The group	turning people away from			messaging phase
,,	F=- 1,		includes builders, real estate agents, marina	"doing the right thing," even when they may	Protecting the shoreline for all to enjoy	the regulations and permitting processes. They need voluntary programs to encourage good stewardship and easy access to technical assistance.	
			owners, environmentalists, government officials	otherwise be willing and eager to do so.	,,,,	Shoreline property owners need a clear process that is protective of the environment while allowing shoreline views and access to the shore.	
		members to understand the	· · ·				
		challenges facing our		Current protection systems are often so		Governmental managers need clearer rules that they can consistently apply, and sufficient resources to apply them.	
		ecosystem. We held 18		confusing or inconsistent that they cause people to		, , , , , , , , , , , , , , , , , , , ,	
		public workshops and		lose interest in protecting resources.			
		engaged land owners, real					
		estate and construction		Confusion about what is or is not allowed			
		industry professionals, and		under the law			
		our science advisory team in					
		intensive small group		Conflicting requirements both within and			
		workshops.		across programs			
				Lack of enforcement.			
				Perception that the system is arbitrary and unfair, so			
				it's not worth participating			
				Lack of technical assistance from public sources			
				(advocacy group, primarily)			
Statewide Shoreline Education,	Ecology's Shoreline	Statewide online survey of	The survey asked individuals to identify words and	1 n/a	n/a	Respondents were asked to rate several words, slogans, and phrases that describe shorelines and shoreline stewardship. The terms in order of	Revisit during
Outreach and Stewardship Strategy -			phrases that would be meaningful to Washington		11/4	nespondents were asked to face seem words, sugaris, and printed that seems and shortenes are always in the terms in order of preference used to describe areas "where land and water meet" are:	messaging phase
Shoreline Values Survey Summary,	Stewardship Strategy (SEOSS)		residents and that would communicate the			1. Beach	messaging phase
March 2011	planning team	'	importance of all places "where land and water			2. Shoreline	
Widter 2011	planning team		meet."			3. Bank	
			inice.			4. Coast	
						5. Shore	
						6. Water's edge	
						Our respondents generally enjoyed the natural qualities of shorelines and visited them frequently. The most popular activities were also related to	
						a nature connection, whether just enjoying the beauty or walking/hiking. Over 85% of respondents "strongly agreed" that shorelines should be	
						a nature connection, wherein just enjoying the beauty of warking mixing. Over 85% of respondents, strongly agreed, that shotelines should be protected for habitat and future generations to enjoy.	
						Learning and the second of collections and collections are col	